

Nationally recognized & award winning EAST LAKE HIGH SCHOOL ROBOTICS TEAM TEAM 79 Krunch

2015:
GE Industrial Design Award

2014:
Orlando Regional Winner
Dean's List Finalist Award
Engineering Inspiration Award

2013:
Orlando Regional Winner
Dean's List Finalist Award, Spirit Award

FIRST Robotics is a multi-national competition created to provide high school students with an applied approach toward learning engineering through competitive robot design and construction. Consisting of more than 1,600 teams from the United States, South America, Europe and Asia, FIRST Robotics combines the spirit of learning and friendly competition with the catch phrase of "gracious professionalism."



Students in our program are two-time recipients of the Next Generation Entrepreneurs Grant, which awards \$10,000 to the winning team to start a business based on their concept or idea.

EAST LAKE HIGH SCHOOL ACADEMY OF ENGINEERING

1300 Silver Eagle Drive
Tarpon Springs, FL 34688
(727) 942-5419
www.pcsb.org/eastlake-hs

Special thanks to:

Pinellas Education Foundation

Honeywell

University of South Florida

AdvanTec Design & Development
Solutions, Inc.

First Step Robotics, Inc.

Project Lead The Way

Rochester Institute of Technology

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(727) 942-5419



Vision: 100% Student Success

Mission: "Educate and prepare each student for college, career and life."

The School Board of Pinellas County, Florida, prohibits any and all forms of discrimination and harassment based on race, color, sex, religion, national origin, marital status, age, sexual orientation or disability in any of its programs, services or activities.

www.pcsb.org

Academy of Engineering East Lake High School



**SCIENCE,
TECHNOLOGY,
ENGINEERING &
ROBOTICS**



THE ACADEMIES OF PINELLAS

CAREER ACADEMIES

ACADEMIES OF DISTINCTION

CAPE ACADEMIES

THEMED PROGRAMS



program of study

THE CHALLENGE

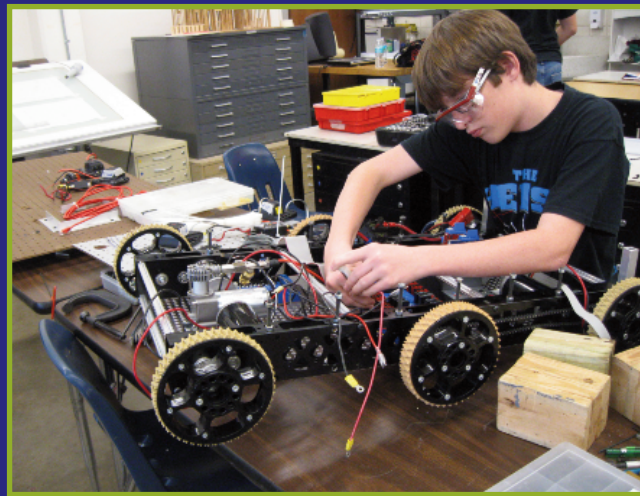
There are currently 1,300,000 engineering and engineering technology jobs available in the U.S. without trained people to fill them.

OUR ACADEMY OF ENGINEERING

- Strengthens the core curriculum (English, science, social studies, math).
- Offers a four-year pre-engineering, technical career-based and college preparatory program.
- Creates a dynamic partnership between the local community, industry and East Lake High School.

GRADUATION EXPECTATIONS

- Understand technology as a tool for problem solving.
- Understand the scientific process, engineering problem solving and the application of technology.
- Preparation for the rigors of college-level engineering programs and technical careers.
- Understanding of technological systems as they interface with other systems.
- Use of the principles of mathematics in their application to problem solving.
- Communicate effectively using reading, writing, listening and speaking skills.
- Demonstrate the ability to be creative, which leads to innovation because innovation drives our economy.



EAST LAKE HIGH SCHOOL COURSE OFFERING INCLUDES:

- Introduction to Engineering Design
- Principles of Engineering
- Aerospace Engineering
- Civil Engineering and Architecture
- Computer Integrated Manufacturing
- Digital Electronics
- Environmental Sustainability
- Engineering Design and Development
- Project Lead the Way curriculum offers college credit through Rochester Institute of Technology

PINELLAS COUNTY COMMUNITY BENEFITS

- Well-educated graduates of high school who are prepared for postsecondary education and technical work.
- An opportunity to work with and influence the local educational system through community and industry partnerships.
- Introduces students to engineering, which is part of everything around us. The work of engineers and engineering technologies is vital, stimulating, profitable, creative and abundant.
- Provides strong math and science skills plus the ability to read and write well, to think and reason, and to explain complex concepts for our children who express an interest in entering the world of technology.
- Provides relevance to learning through the application of academic classes.
- Reverses the decline in classes that allow students to apply their understanding of science, math and technology.

For more information, contact Cindy Green at greenci@pcsb.org or call (727) 942-5419.

Note: Course program qualifies for Florida Bright Futures including Gold Seal Vocational Scholars Award. See guidance department for details.